

Amendments to and Listing of the Claims:

Please cancel claim 62, without prejudice or disclaimer, such that the pending claims will be as set forth in the following listing of claims, which replaces any prior listing of claims:

1. – 32. (Cancelled)
33. (Previously presented) An isolated protein having the amino acid sequence SEQ ID NO:23.
34. (Previously presented) A mature, processed form of the isolated protein of claim 33, having the amino acid sequence SEQ ID NO:35.
35. – 48. (Cancelled)
49. (Previously presented) A pharmaceutical composition comprising the isolated protein of claim 33 and a pharmaceutically-acceptable carrier, diluent, or excipient.
50. (Previously presented) The pharmaceutical composition of claim 49 which is immunogenic.
51. (Previously presented) A pharmaceutical composition comprising the isolated protein of claim 34 and a pharmaceutically-acceptable carrier, diluent, or excipient.
52. (Previously presented) The pharmaceutical composition of claim 51 which is immunogenic.
53. (Cancelled)
54. (Previously Presented) A pharmaceutical composition comprising the isolated protein variant of claim 59 and a pharmaceutically-acceptable carrier, diluent, or excipient.
55. (Previously presented) The pharmaceutical composition of claim 54 which is immunogenic.
56. (Cancelled)
57. (Previously Presented) A pharmaceutical composition comprising the isolated protein of claim 60 and a pharmaceutically-acceptable carrier, diluent, or excipient.
58. (Previously presented) The pharmaceutical composition of claim 57 which is immunogenic.

59. (Previously Presented) An isolated protein variant of SEQ ID NO:23 or SEQ ID NO:35 comprising at least one conservative amino acid substitution in a variable region of SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein variant is immunogenic.

60. (Previously Presented) An isolated protein comprising at least one deletion of a non-conserved amino acid in a variable region of SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein is immunogenic.

61. (Previously Presented) An isolated protein having at least 90% sequence identity to SEQ ID NO:23 or SEQ ID NO:35, wherein the isolated protein is not a wild-type NhhA polypeptide and wherein the isolated protein is immunogenic.

62. (Cancelled)